

## Analysis of In-House Expenditures for Railroad Bridge Inspection

73.24%	26.76%	-		-	-
3,017.50	1,102.25	4,119.75	3,904.25	215.50	Total:
2.00		2.00	2.00	4	Jay Young
1,287.50	500.00	1,787.50	1,787.50	+	Jenelle
881.75	360.00	1,241.75	1,241.75		Haresh
30,00	-	30,00		30.00	Jay Mather
299.75	122.25	422.00	362.00	60.00	Yure
516.50	120.00	636.50	511.00	125.50	Lev Labor
Hours Associated with Consultant Oversight (no longer required if work is brought li)-House)	Hours Associated with inspection Report Review and Actions (will be required to continue if work is brought in-	Total hours of State Oversight	DOT03000097 Hours Inspection of New Haven Line RR Bridges	DOT01702010 Hours Inspection of Various RR Bridges	Employee Name

In-House Expenditures include both Consultant Inspection Oversight as well as Inspection Report Review and Coordination of the methods to address findings.

The Inspection Report Review and Coordination portion will continue on, but the Consultant Inspection Oversight will not be required. This portion has been calculated

at 73.24% and since it will no longer be required, those hours can be used to reduce the additional State Employees required to perform Inspection. The remaining 26.76% of the original \$316,388 In-House expenditures, (\$84,665.43) will be carried forward in the analysis as ongoing oversight.

101,238.79	1,01	316,388.10	376	
99,992.73	1,246.06	24,097.79	292,290,31	Total
23,042.48	293.47	5,790.77	69,093.39	50471
1,048.48	13.21	265.64	3,087.08	50460
857.98	10.88	216.93	2,573.76	50442
3,664.89	46.55	748.60	10,847.19	50447
143.00	1.86	37.13	435.68	50430
10,619.40	117.61	1,695.67	23,822.16	50420
62.04	0.52	12.78	144,40	50410
48.21		-	4,136.18	50770
1,439.26	18.13	364.67	4,237.68	09100
59,066,99	743.83	14,965,60	173,912.80	50.170
DOT01702730PE	DOT01702614PE	DOT01702010PE	DOT0300097PE	Account Code
s Sign Supports	Mast Arms & Sign	Kalifoad Bridges	Kalifo	

Indirect Costs (26.6%) Applied to Account Code 50110 (Direct Salaries):

Indirect Costs (26.6%) Applied to 26.76% of Account Code 50110 (Direct Salaries):

50.241.65 13.444.67

## Rail Bridge Inspection - Consultant Hours Converted to State Employee Classification

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		3,777,0		4,119.75	State Forces Total
		21.97	73.24%	30.00	TranspPrincipalEngr(€)
		466.17	73.24%	636.50	TranspSupvsngEngr(E)
		1,220.00	73.24%	1,665.75	TranspEngr3(E)
		1,309.17	73.24%	1,787.50	TransportationEngineer2(E)
			** See Note Below		State Forces Oversight (\$316,388) in hrs
15	14.02	(3,017.30)		25,633.50	Consultant Total
2	1.76	(488.14)		3,320.50	TranspSupvsngEngr(E)
5	4.84	(1,220.00)		9,023.00	TranspEngr3(E)
0	1.20	(1,003.11)	10,010,00	11,724.00	TransportationEngineer2(E)
0	30.7	(21 00E 1)	13 018 00	1,294.00	Trans Engn Trainee
	0.15			240.00	Drafter2(Highway)
	0.02			32.00	Diver
Estimated Employees  Needed to be Hired	Number of employees based on 1612.83 I productive hours per year	employees no longer needed to provide consultant oversight  (26.76%)		Total Hours	State Employee Classification
1、日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日			\$20X0257070707070707070707070707070707070707		■ 101111 1211 1211 1211 1211 1211 1211 1

\*\* State Forces Oversight includes both Consultant Inspection Oversight as well as Inspection Report Review and Coordination of the methods to address findings. The Inspection report Review and Coordination portion will continue on, but the Consultant Inspection Oversight will not be required. This portion has been calculated at 73.24% and since it will no longer be required, those hours can be used to reduce the additional State Employees required to perform Inspection. The remaining 26.76% of the original \$316,388 in-House expenditures, (\$84,665.43) will be carried forward in the analysis as ongoing oversight.

	TransportationEngineer2(E) TranspEngr3(E) TranspSupvsngEngr(E)	Office of Rails A
Total:		Analysis of Actual Employees
Total:		es Needed to be Hired
15	N 01 00	
	·	

\$ 1,278,169.20	Total Payroll					
\$ 593,827.20 \$ 469,695.60 \$ 214,646.40	<b>ი</b> თ თ	74,228.40 93,939.12 107,323.20	2,844.00 3,599.20 4,112.00	8 8 8	33.33 44.99 51.40	TranspEngr(E) TranspEngr(E)
Annual Payroll	# of Employees	Average Annual Salary (biweekly * 26.1)	Ave Bi-Weekly Salary (8	Bi-Weekly Hours	Ave Hrly Rate	Transportation Engine and (T.)
		oloyees	nualization of Salaries for New Emp			

	\$ 2,927,493.42	\$ 2,949,703.10	Total Cost Analysis B - (with Indirect Costs):
	\$ 13,444.67	\$ 50,241.65	DOT Estimated Indirect Costs on In-House Direct Labor (26.60%):
State Average Indirect Cost Rate supplied by OPM	\$ 339,993.01	<b>€</b> 9	DOT Estimated Indirect Costs on Inspection Direct Labor (26.60%):
		12.6%	Variance from Estimated State Forces Expenditures (without application of an Indirect Cost Rate):
	\$ 2,574,055,74	\$ 2,899,461.45	Total Cost Analysis A (without Indirect Costs):
	\$ 71,173.33		Additonal Costs for Training, Equipment and Supplies required if work were performed by State Forces
State Forces oversight carried forward at 26.76% *	\$ 84,665.43	\$ 316,388.00	In-House Payroll/Fringes Charged Directly:
Assumed same as consultant with the exception of RR Insurance	\$ 232,692.85	\$ 245,444.30	Direct Costs:
	\$ -	\$ 209,448.05	Consultant Fixed Fee for Profit:
	\$ 907,354.93		Total State Fringes & Additives:
	18,899.52		Fringes on Longevity Additive 60.6% of Longevity
	31,187.33		Longevity Additive 2.44%
	28,119.72		Workers Compensation 2.20%
	216,521.86		
	1,789.44		
	18,533.45		
	79,246.49		۲
	509,350,43		
	3 706 60		Unemployment Compensation 0.29%
		\$ 1,185,631.67	Consultant Burden, Fringe & Overhead:
15 Employees	\$ 1,278,169.20	\$ 942,549.43	Payroll:
Comments	Est. State Forces Costs	Actual Consultant Costs	Expenditure Description
	itant Expenditures)∵	FY2010 Consu	(Based on Analysis of
(Lewison)	dry Sneet tions	Inspec	Railroad Bridge

<sup>26.76%</sup> of the original \$316,388 In-House expenditures, (\$84,665.43) will be carried forward in the analysis as ongoing oversight. calculated at 73.24% and since it will no longer be required, those hours were used to reduce the additional State Employees required to perform Inspection. The remaining findings. The Inspection Report Review and Coordination portion will continue on, but the Consultant Inspection Oversight will not be required. This portion has been In-House Payroll/Fringe Expenditures include both Consultant Inspection Oversight as well as Inspection Report Review and Coordination of the methods to address

application of an Indirect Cost Rate):